On the DCH sensitive time window

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Relevant for the background evaluation



Drift time from tracks in prototype 2



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On average, in a "big" SuperB DCH cell operated in a 90%He-10%iC₄H₁₀ mixture and immersed in a 1.5T magnetic field the $1^{st}e^{-}$ arrives within 400ns, the average of all e^{-} within 700ns



On average, in a "small" SuperB DCH cell operated in a 90%He-10%iC₄H₁₀ mixture and immersed in a 1.5T magnetic field the $1^{st}e^{-}$ arrives within 170ns, the average of all e^{-} within 330ns

What time window should we use?

